

Appendix J

Department of Defense Materials



OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON
WASHINGTON, DC 20301-3000

ACQUISITION,
TECHNOLOGY
AND LOGISTICS

David Harlow
Director,
Desert Renewable Energy Conservation Plan
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

July 24, 2012

Dear Mr Harlow,

This letter provides information in support of the Desert Renewable Energy Conservation Plan. Attachment 1 provides a Department of Defense (DoD) comprehensive matrix detailing potential military operational constraints by Development Focus Area. Attachment 2 provides associated conflict maps by renewable energy technology.

Generally, only two renewable energy technologies currently present a significant mission compatibility issue for DoD operations in this region: 1) wind turbines and 2) solar power towers. For each of these technologies, conflict areas on the provided maps are labeled with a "W" for wind turbines and "ST" for solar power towers. Individual areas or polygons are then assigned a separate letter. This creates a nomenclature where compatibility issues with wind turbines are labeled W-A, W-B, W-C etc, and areas with solar power tower compatibility issues are labeled ST-A, ST-B, ST-C, etc. The labels are correlated to the maps that are provided.

There is a third energy technology for which the labels start with "WM" for wind turbines under military training routes. These areas underlie low-level military training routes (MTRs) or special use airspace (SUAs). While wind turbines in these areas may be compatible, the areas are identified as warranting additional scrutiny during the siting process.

Generally, photovoltaic systems on or near SUAs or MTRs present little to no conflict to military operations, testing and training. Geothermal plants likewise generally pose little impact to military operations, testing and training.

Besides the identified DFAs, several of the stakeholders requested that the Clearinghouse process further evaluate renewable energy zones identified by the California Wind Energy Association (CALWEA) and Center for Energy Efficiency and Renewable Technologies (CEERT). As there is a possibility that some of these areas could be added as DFAs, the Department of Interior requested that DoD analyze them for potential conflicts as well. The results of that analysis are included in the matrix by renewable energy technology but shown separately in the attached maps.

Regarding the color coding of the maps:

- The red areas represent locations where there is a high likelihood of an unacceptable risk to national security, and the technology identified might impact military operations, testing and training. This means that should a DFA be established at this location, DoD will closely scrutinize any projects proposing that technology. Potential mitigation actions may alleviate the risk; however, if mitigation is not possible, then DoD may be required to object to the project at these locations.
- The red hashed areas represent locations where there is a high likelihood of an unacceptable risk to national security, and that the technology identified might impact military operations, testing and training, should DoD expand military operations in these areas. These areas are currently connected with on-going land expansion efforts around Marine Corps Air Ground Combat Center Twenty-Nine Palms. Once a decision on the expansion is made, DoD will likely object to any proposed project on land included in the expansion area.
- The orange areas represent locations where there is a medium likelihood of an unacceptable risk to national security, and that the technology identified might impact military operations, testing and training. This means that should a DFA be established at this location, DoD will scrutinize the developer's proposed project. Potential mitigation actions may alleviate the risk; however, if mitigation is not possible, then DoD may be required to object to the project at these locations.
- The yellow areas represent locations where there is a low likelihood of an unacceptable risk to national security, but that the technology identified probably will not impact military operations, testing and training. This means that should a DFA be established at this location, DoD will review the developer's proposed project for potential impact.

If you or the DRECP stakeholders have any questions, please don't hesitate to contact me at michael.aimone@osd.mil or 571 372-6745.

Sincerely,



Michael A. Aimone, P.E.
Executive Director
DoD Siting Clearinghouse

Attachments, As Stated

cc: Department of Interior DRECP Project Manager



OFFICE OF THE UNDER SECRETARY OF DEFENSE

3400 DEFENSE PENTAGON
WASHINGTON, DC 20301-3400

David Harlow
Director, Desert Renewable Energy Conservation Plan
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

February 12, 2013

Dear Mr Harlow,

As follow-on to my letter of 24 July, 2012, this letter provides amplifying information in support of the Desert Renewable Energy Conservation Plan (DRECP).

I understand that the DRECP document, once completed, will contain a Section titled, "Conservation and Management Actions, including Allowable Uses and Use Restrictions". The intent of this section is to provide agency stakeholders a venue to articulate their respective expectations in order to streamline proposed projects under NEPA/CEQA within the DRECP planning area.

In my letter of 24 July, 2012, I provided a Department of Defense (DoD) comprehensive matrix detailing potential military operational constraints by Development Focus Area. The results of our analysis were included in the matrix by renewable energy technology but shown separately on several maps. Each map contained three (3) distinct color codes, briefly described below:

Red Areas

Represent locations where there is a significant likelihood of an unacceptable risk to national security, and the technology identified might impact military operations, testing, and training.

Orange Areas

Represent locations where there is a likelihood of an unacceptable risk to national security, and that the technology identified might impact military operations, testing, and training.

Yellow Areas

Represent locations where there is some likelihood of an unacceptable risk to national security, but that the technology identified probably will not impact military operations, testing, and training.

In an effort to continue DoD's support of the DRECP initiative, we recommend the following be incorporated as part of DoD's input towards the "Conservation and Management Actions, including Allowable Uses and Use Restrictions" section of the DRECP:

- A. Red Areas – No streamlining of projects unless a written letter is provided by the DoD Siting Clearinghouse stating military impacts have been mitigated.
- B. Orange and Yellow Areas – Streamlining of projects permitted following consultation with DoD at the regional level that results in a DoD assessment of no mission impact. DoD regional level shall have 30 days to determine mission impact assessment. However, within the 30 day DoD review period, should DoD assess that the project might result in a significant possibility of an unacceptable risk to national security, then such project shall not be streamlined, and referred to the DoD Siting Clearinghouse.
- C. Notification to DoD at the regional level for a military impact assessment and determination to streamline a project within the DRECP planning area shall follow DoD Service level points of contacts established by SB 1462.


I appreciate and value the excellent collaborative relationship that exists between our agencies to ensure compatible renewable energy development while protecting and sustaining the military's mission.

Sincerely,



Michael A. Aimone, P.E.

Executive Director
DoD Siting Clearinghouse




DRECP Planning Boundary ST-Alternative 1
■ Installation Boundary
■ Special Use airspace
■ Orange - Medium Likelihood of Unacceptable Risk to National Security
■ Orange (Hash) - Medium Likelihood of Unacceptable Risk to National Security
■ Red - High Likelihood of Unacceptable Risk to National Security
■ Red (Hash) - High Likelihood of Unacceptable Risk to National Security

**DRECP DoD Conflict Areas
Solar Towers - Alternative 1**

0 25 50 100 Miles
0 25 50 100 NM






DRECP Planning Boundary ST-Alternative 2
■ Installation Boundary
■ Special Use airspace
■ Orange - Medium Likelihood of Unacceptable Risk to National Security
■ Orange (Hash) - Medium Likelihood of Unacceptable Risk to National Security
■ Red - High Likelihood of Unacceptable Risk to National Security
■ Red (Hash) - High Likelihood of Unacceptable Risk to National Security

**DRECP DoD Conflict Areas
Solar Towers - Alternative 2**

0 25 50 100 Miles
0 25 50 100 NM






DRECP Planning Boundary ST-Alternative 3
 Installation Boundary
 Special Use airspace
 Orange - Medium Likelihood of Unacceptable Risk to National Security
 Orange (Hash) - Medium Likelihood of Unacceptable Risk to National Security
 Red - High Likelihood of Unacceptable Risk to National Security
 Red (Hash) - High Likelihood of Unacceptable Risk to National Security

**DRECP DoD Conflict Areas
 Solar Towers - Alternative 3**

0 25 50 100 Miles
 0 25 50 100 NM


N



**DRECP DoD Conflict Areas
Solar Towers - Alternative 4**

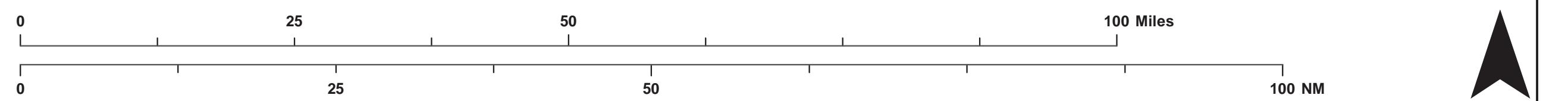
0 25 50 100 Miles
0 25 50 100 NM

N




DRECP Planning Boundary ST-Preferred Alternative
 Installation Boundary
 Special Use airspace
 Orange - Medium Likelihood of Unacceptable Risk to National Security
 Orange (Hash) - Medium Likelihood of Unacceptable Risk to National Security
 Red - High Likelihood of Unacceptable Risk to National Security
 Red (Hash) - High Likelihood of Unacceptable Risk to National Security

DRECP DoD Conflict Areas
Solar Towers - Preferred Alternative



N




**DRECP DoD Conflict Areas
Wind Turbines - Alternative 1**

DRECP Planning Boundary W-Alternative 1
 Installation Boundary
 Special Use airspace

Red - High Likelihood of Unacceptable Risk to National Security
 Red (Hash) - High Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines - Alternative 2**

DRECP Planning Boundary
 Installation Boundary
 Special Use airspace
 W-Alternative 2
 Red - High Likelihood of Unacceptable Risk to National Security
 Red (Hash) - High Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines - Alternative 3**

+ DRECP Planning Boundary W-Alternative 3
■ Installation Boundary
□ Special Use airspace
■ Red - High Likelihood of Unacceptable Risk to National Security
■ Red (Hash) - High Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines - Alternative 4**

DRECP Planning Boundary
 Installation Boundary
 Special Use airspace

Red - High Likelihood of Unacceptable Risk to National Security
 Red (Hash) - High Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines - Preferred Alternative**

DRECP Planning Boundary W-Preferred Alternative
 Installation Boundary Red - High Likelihood of Unacceptable Risk to National Security
 Special Use airspace Red (Hash) - High Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines (MTRs/SUA) - Alternative 1**

DRECP Planning Boundary WM-Alternative 1
 Installation Boundary Yellow – Low Likelihood of Unacceptable Risk to National Security
 Special Use airspaces

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines (MTRs/SUA) - Alternative 2**

DRECP Planning Boundary
 WM-Alternative 2
 Installation Boundary
 Yellow – Low Likelihood of Unacceptable Risk to National Security
 Special Use airspace

0 25 50 100 Miles
0 25 50 100 NM

N




**DRECP DoD Conflict Areas
Wind Turbines (MTRs/SUA) - Alternative 3**

DRECP Planning Boundary WM-Alternative 3
 Installation Boundary
 Special Use airspace

Yellow – Low Likelihood of Unacceptable Risk to National Security

0 25 50 100 Miles
0 25 50 100 NM






**DRECP DoD Conflict Areas
Wind Turbines (MTRs/SUA) - Alternative 4**

DRECP Planning Boundary WM-Alternative 4
 Installation Boundary
 Yellow – Low Likelihood of Unacceptable Risk to National Security
 Special Use airspace

0 25 50 100 Miles
0 25 50 100 NM





**DRECP DoD Conflict Areas
Wind Turbines (MTRs/SUA) - Preferred Alternative**

■ DRECP Planning Boundary ■ WM-Preferred Alternative
■ Installation Boundary ■ Yellow – Low Likelihood of Unacceptable Risk to National Security
■ Special Use airspace

0 25 50 100 Miles
0 25 50 100 NM



DoD Response Matrix for DRECP

19 February 2014

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-A	<ul style="list-style-type: none"> • R2508 (200) • OWENS MOA, CA (200AGL) • IR200 (Navy 500AGL) • IR236 (Air Force 200AGL) • IR425 (Air Force 500AGL) • VR1205 (Air Force 200AGL) • VR1255 (Navy 200AGL) • VR1262 (Navy 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2 & 4 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace
ST-B	<ul style="list-style-type: none"> • R2506 (Surface) • R2505 (Surface) • R2508 (Surface) • ISABELLA MOA, CA (200AGL) • IR200 (Navy 500AGL) • IR425 (Air Force 500AGL) • VR1262 (Navy 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace
ST-C	<ul style="list-style-type: none"> • R2508 (Surface) • PANAMINT MOA, CA (3001AGL) • IR211 (Marine Corps 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3 & 4 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace
ST-D	<ul style="list-style-type: none"> • R2508 (Surface) • R2515 (Surface) • R2508 (200) • IR236 (Air Force 200AGL) • SR390 (US National Guard 200AGL) • VR1205 (Air Force 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-E	<ul style="list-style-type: none"> • R2508 (200) • ISABELLA MOA, CA (200AGL) • BAKERSFIELD MOA, CA (2000AGL) • IR200 (Navy 1500AGL) • IR200 (Navy 500AGL) • IR211 (Marine Corps 200AGL) • IR236 (Air Force 200AGL) • IR425 (Air Force 500AGL) • SR390 (US National Guard 200AGL) • VR1206 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1262 (Navy 200AGL) • VR1293 (Air Force Surface) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace
ST-F	<ul style="list-style-type: none"> • BUCKHORN MOA, CA (200AGL) • SR390 (US National Guard 200AGL) • VR1257 (Navy 1000AGL) • VR1265 (Marine Corps 1000AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range
ST-G	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-H	<ul style="list-style-type: none"> • SILVER MOA NORTH, CA (200AGL) • SHOSHONE MOA, CA (3001AGL) • BARSTOW MOA, CA (200AGL) • IR212 (Marine Corps 200AGL) • IR212 (Marine Corps 3000AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1214 (Air Force 500AGL) • VR1214 (Air Force 100AGL) • VR1215 (Air Force 500AGL) • VR1215 (Air Force 100AGL) • VR1217 (Air Force 500AGL) • VR1217 (Air Force 100AGL) • VR1218 (Air Force 200AGL) • VR1265 (Marine Corps 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3 & 5 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range
ST-I	<ul style="list-style-type: none"> • R2502A (Surface) • SILVER MOA NORTH, CA (200AGL) • SHOSHONE MOA, CA (3001AGL) • PANAMINT MOA, CA (3001AGL) • IR212 (Marine Corps 200AGL) • VR1214 (Air Force 100AGL) • VR1215 (Air Force 100AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Expansion area • Restricted airspace
ST-J	<ul style="list-style-type: none"> • R2501S (Surface) • R2501N (Surface) • R2501E (Surface) • SUNDANCE MOA, CA (500AGL) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1217 (Air Force 500AGL) • VR1218 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1257 (Navy 200AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Terrain Flight (TERF) • No RE • to include Solar PV

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-K	<ul style="list-style-type: none"> • TURTLE MOA, AZ (11000AMSL) • SUNDANCE MOA, CA (500AGL) • BRISTOL MOA, CA (5000AMSL) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR216 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • IR250 (Marine Corps Surface) • IR252 (Marine Corps Surface) • VR1214 (Air Force 1500AGL) • VR1214 (Air Force 500AGL) • VR1215 (Air Force 1500AGL) • VR1215 (Air Force 500AGL) • VR1217 (Air Force 1500AGL) • VR1217 (Air Force 500AGL) • VR1217 (Air Force 100AGL) • VR1218 (Air Force 1500AGL) • VR1218 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1257 (Navy 200AGL) • VR1265 (Marine Corps 200AGL) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range
ST-L	<ul style="list-style-type: none"> • ABEL EAST MOA, CA (5000AMSL) • SR397 (US National Guard Surface) • VR1211 (March joint Air Reserve Base 300AGL) • VR1265 (Marine Corps 200AGL) • VR1266 (Marine Corps 200AGL) • VR1267 (Marine Corps 200AGL) • VR1268 (Marine Corps 200AGL) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3 & 4 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-M	<ul style="list-style-type: none"> • QUAIL MOA, AZ (10000AMSL) • IR216 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • IR218 (Marine Corps 500AGL) • IR255 (Marine Corps Surface) • SR397 (US National Guard Surface) • VR1211 (March joint Air Reserve Base 300AGL) • VR1265 (Marine Corps 200AGL) • VR1266 (Marine Corps 200AGL) • VR1267 (Marine Corps 200AGL) • VR1268 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range
ST-N	<ul style="list-style-type: none"> • KANE WEST MOA, CA (10000AMSL) • KANE EAST MOA, CA (10000AMSL) • KANE SOUTH MOA, CA (10000AMSL) • ABEL EAST MOA, CA (5000AMSL) • ABEL SOUTH MOA, CA (7000AMSL) • ABEL BRAVO MOA, CA (7000AMSL) • IR217 (Marine Corps 200AGL) • VR1211 (March joint Air Reserve Base 300AGL) • VR1257 (Navy 200AGL) • VR1266 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
ST-UU	<ul style="list-style-type: none"> • R2510B (15000AMSL) • R2510A (Surface) • KANE WEST MOA, CA (10000AMSL) • IR217 (Marine Corps 200AGL) • VR1211 (March joint Air Reserve Base 300AGL) • VR1257 (Navy 200AGL) • VR1266 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace • Low level ops
ST-VV	<ul style="list-style-type: none"> • R2507S (Surface) • R2507N (Surface) • ABEL NORTH MOA, CA (7000AMSL) • VR1211 (March joint Air Reserve Base 300AGL) • VR288 (March Joint Air Reserve Base Surface) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace • Low level ops
ST-WW	<ul style="list-style-type: none"> • R2512 (Surface) • ABEL SOUTH MOA, CA (7000AMSL) • ABEL BRAVO MOA, CA (7000AMSL) • VR1211 (March joint Air Reserve Base 300AGL) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • ST Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Proximity to live fire range • Restricted airspace • Low level ops • Restricted airspace
W-A	<ul style="list-style-type: none"> • R2508 (200) • OWENS MOA, CA (200AGL) • BISHOP MOA, CA (200AGL) • IR236 (Air Force 200AGL) • VR1255 (Navy 200AGL) • VR1262 (Navy 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace

19 Feb 2014
DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-B	<ul style="list-style-type: none"> • R2508 (200) • R2506 (Surface) • R2505 (Surface) • ISABELLA MOA, CA (200AGL) • IR200 (Navy 500AGL) • IR211 (Marine Corps 200AGL) • IR236 (Air Force 200AGL) • IR425 (Air Force 500AGL) • SR390 (US National Guard 200AGL) • VR1262 (Navy 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace
W-C	<ul style="list-style-type: none"> • R2524 (Surface) • R2508 (200) • R2505 (Surface) • PANAMINT MOA, CA (3001AGL) • IR200 (Navy 500AGL) • IR236 (Air Force 200AGL) • IR425 (Air Force 500AGL) • VR1205 (Air Force 200AGL) 	<ul style="list-style-type: none"> • W Alternative 2,3 & 4 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-D	<ul style="list-style-type: none"> • R2524 (Surface) • R2515 (Surface) • R2508 (200) • PANAMINT MOA, CA (3001AGL) • IR211 (Marine Corps 200AGL) • IR236 (Air Force 200AGL) • SR390 (US National Guard 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace
W-E	<ul style="list-style-type: none"> • R2515 (Surface) • R2508 (200) • ISABELLA MOA, CA (200AGL) • IR200 (Navy 500AGL) • IR211 (Marine Corps 200AGL) • IR236 (Air Force 200AGL) • IR425 (Air Force 500AGL) • SR390 (US National Guard 200AGL) • VR1206 (Air Force 200AGL) • VR1262 (Navy 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace
W-F	<ul style="list-style-type: none"> • BUCKHORN MOA, CA (200AGL) • VR1206 (Air Force 200AGL) • SR390 (US National Guard 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction
W-G	<ul style="list-style-type: none"> • SR390 (US National Guard 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-H	<ul style="list-style-type: none"> • R2515 (Surface) • R2508 (200) • BARSTOW MOA, CA (200AGL) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1205 (Air Force 200AGL) • VR1214 (Air Force 500AGL) • VR1214 (Air Force 100AGL) • VR1215 (Air Force 500AGL) • VR1215 (Air Force 100AGL) • VR1217 (Air Force 500AGL) • VR1217 (Air Force 100AGL) • VR1218 (Air Force 200AGL) • VR1265 (Marine Corps 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace
W-I	<ul style="list-style-type: none"> • R2502A (Surface) • SILVER MOA NORTH, CA (200AGL) • SHOSHONE MOA, CA (3001AGL) • IR212 (Marine Corps 200AGL) • IR212 (Marine Corps 3000AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1214 (Air Force 100AGL) • VR1215 (Air Force 100AGL) • VR1218 (Air Force 200AGL) • VR1265 (Marine Corps 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction • Restricted airspace

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-J	<ul style="list-style-type: none"> • SHOSHONE MOA, CA (3001AGL) • IR213 (Marine Corps 200AGL) • IR213 (Marine Corps 1500AGL) • IR217 (Marine Corps 200AGL) • IR217 (Marine Corps 1500AGL) • IR286 (Air Force 500AGL) • IR286 (Air Force 100AGL) • VR1214 (Air Force 100AGL) • VR1215 (Air Force 100AGL) • VR1265 (Marine Corps 200AGL) • VR222 (Air Force 100AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Wind Turbine Area of Concern • Low level ops • Vertical Obstruction
W-K	<ul style="list-style-type: none"> • R2501N (Surface) • R2501E (Surface) 	<ul style="list-style-type: none"> • W Alternative 1,2,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Operational requirements for low level ops – if land expansion is approved • Restricted airspace
W-L	<ul style="list-style-type: none"> • R2501S (Surface) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1217 (Air Force 500AGL) • VR1218 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1257 (Navy 200AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Restricted airspace • No RE • to include Solar PV • Restricted airspace
W-M	<ul style="list-style-type: none"> • R2501S (Surface) • R2501E (Surface) • SUNDANCE MOA, CA (500AGL) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • VR1217 (Air Force 500AGL) 	<ul style="list-style-type: none"> • W Alternative 2,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • TERF • Low level ops – helo and fixed wing • Restricted airspace

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-N	<ul style="list-style-type: none"> • R2507S (Surface) • ABEL EAST MOA, CA (5000AMSL) • ABEL NORTH MOA, CA (7000AMSL) • SR397 (US National Guard Surface) • VR1211 (March joint Air Reserve Base 300AGL) • VR1265 (Marine Corps 200AGL) • VR1266 (Marine Corps 200AGL) • VR1267 (Marine Corps 200AGL) • VR1268 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Low level ops • Restricted airspace • TERF • Transit and maneuvering corridor from Yuma and Chocolate Mtn range
W-HH	<ul style="list-style-type: none"> • R2510B (15000AMSL) • R2510A (Surface) • KANE WEST MOA, CA (10000AMSL) • VR1257 (Navy 200AGL) • VR1266 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Operational requirements for low level ops • Restricted airspace

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
W-II	<ul style="list-style-type: none"> • R2512 (Surface) • ABEL SOUTH MOA, CA (7000AMSL) • ABEL BRAVO MOA, CA (7000AMSL) • VR1211 (March joint Air Reserve Base 300AGL) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • W Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Operational requirements for low level ops • Restricted airspace
WM-A	<ul style="list-style-type: none"> • IR200 (Navy 1500AGL) • IR200 (Navy 500AGL) • IR211 (Marine Corps 200AGL) • IR425 (Air Force 500AGL) • VR1206 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1262 (Navy 200AGL) • VR1265 (Marine Corps 1000AGL) • VR1293 (Air Force Surface) 	<ul style="list-style-type: none"> • WM Alternative 2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Low level ops • Vertical Obstruction
WM-B	<ul style="list-style-type: none"> • SUNDANCE MOA, CA (500AGL) • BRISTOL MOA, CA (5000AMSL) • IR212 (Marine Corps 200AGL) • IR213 (Marine Corps 200AGL) • IR216 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • IR250 (Marine Corps Surface) • IR252 (Marine Corps Surface) • VR1214 (Air Force 1500AGL) • VR1214 (Air Force 500AGL) • VR1215 (Air Force 1500AGL) • VR1215 (Air Force 500AGL) • VR1217 (Air Force 1500AGL) • VR1217 (Air Force 500AGL) • VR1218 (Air Force 1500AGL) • VR1218 (Air Force 200AGL) • VR1257 (Navy 1000AGL) • VR1257 (Navy 200AGL) • VR1265 (Marine Corps 200AGL) • VR289 (March Joint Air Reserve Base Surface) 	<ul style="list-style-type: none"> • WM Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Low level ops • Vertical Obstruction

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DoD Response Matrix for DRECP

DoD Conflict Area Letter	DoD Equities	Associated Technology layer	Operation Snapshot
WM-C	<ul style="list-style-type: none"> • TURTLE MOA, AZ (11000AMSL) • QUAIL MOA, AZ (10000AMSL) • IR213 (Marine Corps 200AGL) • IR214 (Marine Corps 200AGL) • IR216 (Marine Corps 200AGL) • IR217 (Marine Corps 200AGL) • IR218 (Marine Corps 500AGL) • IR250 (Marine Corps Surface) • IR252 (Marine Corps Surface) • IR255 (Marine Corps Surface) • SR397 (US National Guard Surface) • VR1265 (Marine Corps 200AGL) • VR1266 (Marine Corps 200AGL) • VR1267 (Marine Corps 200AGL) • VR1268 (Marine Corps 200AGL) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • WM Alternative 1,2,3,4 & Preferred Intersect This Conflict Area 	<ul style="list-style-type: none"> • Low level ops • Vertical Obstruction
WM-D	<ul style="list-style-type: none"> • KANE WEST MOA, CA (10000AMSL) • KANE EAST MOA, CA (10000AMSL) • KANE SOUTH MOA, CA (10000AMSL) • ABEL EAST MOA, CA (5000AMSL) • ABEL SOUTH MOA, CA (7000AMSL) • ABEL BRAVO MOA, CA (7000AMSL) • IR217 (Marine Corps 200AGL) • IR218 (Marine Corps 500AGL) • VR1211 (March joint Air Reserve Base 300AGL) • VR1257 (Navy 200AGL) • VR1266 (Marine Corps 200AGL) • VR288 (March Joint Air Reserve Base Surface) • VR289 (March Joint Air Reserve Base Surface) • VR296 (March Joint Air Reserve Base Surface) • VR299 (Air Force 300AGL) 	<ul style="list-style-type: none"> • WM Alternative 1,2,3,4 & 5 Intersect This Conflict Area 	<ul style="list-style-type: none"> • Low level ops • Vertical Obstruction